

## Inventor:

Glenn A. Dearth,  
Christopher J. Jackson and  
Mark R. Johnson

Serial No.: 10/007,154

Filing Date: December 4, 2001

For: Remote Memory Address Translation

Atty. Dkt. No.: 5681-79200

Art Unit: 2187

Examiner: Glenn A. Gossage

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below:

B. Noel Kivlin

**Name of Registered Representative**

3-24-04

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

MAR 31 2004

Technology Center 2100

Sir:

SUN MICROSYSTEMS, INC., (“assignee”), a Delaware corporation having a place of business at 4150 Network Circle, Santa Clara, California 95054, certifies that to the best of assignee’s knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment documents that evidence the placement of title in the assignee, true and correct copies of which are attached hereto, and understands and believes that these assignment documents have been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §§1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints

Andrew C. Chen	Reg. No. 43,544
Bernice B. Chen	Reg. No. 42,403
Arien C. Ferrell	Reg. No. 46,696
Marc D. Foodman	Reg. No. 34,110
Marilyn E. Glaubensklee	Reg. No. 35,521
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Paul D. Sorkin	Reg. No. 39,039
Joseph A. Twarowski	Reg. No. 42,191
Monica Ward	Reg. No. 40,696

*each of said attorneys being employed by Sun Microsystems; and*

Mark K. Brightwell	Reg. No. 47,446	Lawrence J. Merkel	Reg. No. 41,191
Kay A. Colapret	Reg. No. 52,759	Eric B. Meyertons	Reg. No. 34,876
Stephen J. Curran	Reg. No. 50,664	Neal E. Persky	Reg. No. 53,452
Mark R. DeLuca	Reg. No. 44,649	Liza Philip	Reg. No. 51,352
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Russell Henrichs	Reg. No. 50,354	Rory D. Rankin	Reg. No. 47,884
Erik A. Heter	Reg. No. 50,652	Gareth Sampson	Reg. No. 52,191
Jeffrey C. Hood	Reg. No. 35,198	Chris Thompson	Reg. No. 43,188
B. Noël Kivlin	Reg. No. 33,929	Mark S. Williams	Reg. No. 50,658
Robert C. Kowert	Reg. No. 39,255		

*each of said attorneys or agents being a member or an associate of the firm of Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C., as attorney or agent for so long as they remain with such company or firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive the Letters Patent.*

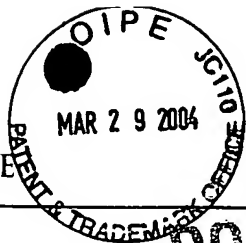
Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to: B. Noël Kivlin  
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.  
P.O. Box 398  
Austin, Texas 78767-0398  
(512) 853-8840

Assignee of Interest Sun Microsystems, Inc.  
4150 Network Circle  
Santa Clara, CA 95054

Dated: Feb 10, 2004

By: Noreen A. Krall  
Name: Noreen A. Krall  
Reg. No.: 39,734  
Title: Director of Intellectual Property,  
Hardware and Systems



FEBRUARY 08, 2002

BROMBERG & SUNSTEIN LLP  
ELIZABETH P. MORANO  
125 SUMMER STREET  
BOSTON, MA 02110

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BROMBERG & SUNSTEIN

Under Secretary of Commerce For Intellectual Property and  
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RECORDATION DATE: 12/04/2001

REEL/FRAME: 012373/0141  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DEARTH, GLENN A.

DOC DATE: 11/22/2001

ASSIGNOR:

JACKSON, CHRISTOPHER J.

DOC DATE: 11/06/2001

ASSIGNOR:

JOHNSON, MARK R.

DOC DATE: 11/06/2001

ASSIGNEE:

SUN MICROSYSTEMS, INC.  
M/S PALO1-521  
901 SAN ANTONIO ROAD  
PALO ALTO, CALIFORNIA 94303

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SERIAL NUMBER: 10007154  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

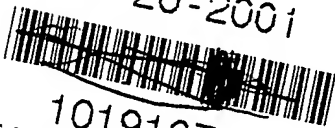
012373/0141 PAGE 2

DOROTHY RILEY, EXAMINER  
ASSIGNMENT DIVISION  
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12-20-2001

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

Attached original documents or copy thereof.  
Address of receiving party(ies):

1. Name of conveying party(ies):  
Glenn A. Dearth  
Christopher J. Jackson  
Mark R. Johnson

Name: Sun Microsystems, Inc.

Internal Address: 901 San Antonio Road

Street Address: M/S PALO1-521

City: Palo Alto State: CA ZIP: 94303

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 11/6/2001 and 11/22/2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: December 4, 2001

A. Patent Application No.(s)

B. Patent No.(s)

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Additional numbers attached? ☐ Yes ☒ No

10/007154

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Elizabeth P. Morano

Internal Address: Bromberg & Sunstein LLP

Street Address: 125 Summer Street

City: Boston State: MA ZIP: 02110

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) ..... \$ 40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:

19-4972

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert M. Asher  
Name of Person Signing

Robert M. Asher  
Signature

December 4, 2001  
Date

Total number of pages including cover sheet, attachments, and document: 7

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

12/19/2001 GTOW11 00000034 194972 10007154

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## ASSIGNMENT

ASSIGNOR: Glenn A. Dearth  
Christopher J. Jackson  
Mark R. Johnson

ASSIGNEE: Sun Microsystems, Inc.  
901 San Antonio Road  
M/S PALO1-521  
Palo Alto, CA 94303

STATE OF INCORPORATION OF ASSIGNEE: Delaware

INVENTION: Remote Memory Address Translation

ATTORNEY DOCKET: 2442/105

SERIAL NO: Not Yet Assigned

FILED: Herewith

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and

all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: NOVEMBER 22, 2001

Glenn A. Dearth  
Glenn A. Dearth, Assignor

Date: \_\_\_\_\_

\_\_\_\_\_  
Christopher J. Jackson, Assignor

Date: \_\_\_\_\_

\_\_\_\_\_  
Mark R. Johnson, Assignor



## ASSIGNMENT

ASSIGNOR: Glenn A. Dearth  
Christopher J. Jackson  
Mark R. Johnson

ASSIGNEE: Sun Microsystems, Inc.  
901 San Antonio Road  
M/S PALO1-521  
Palo Alto, CA 94303

STATE OF INCORPORATION OF ASSIGNEE: Delaware

INVENTION: Remote Memory Address Translation

ATTORNEY DOCKET: 2442/105

SERIAL NO: Not Yet Assigned

FILED: Herewith

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and

all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: \_\_\_\_\_

\_\_\_\_\_  
Glenn A. Dearth, Assignor

Date: 6 Nov 2001

CLJ 7c  
Christopher J. Jackson, Assignor

Date: 6 - Nov - 2001

Mark R. Johnson  
Mark R. Johnson, Assignor